



AUTOMATED SUPERCONDUCTIVE GE SHIM POWER SUPPLY EXPLORER

Optimize Shimming with Precision and Efficiency

The Explorer is designed to minimize shimming time and reduce user interaction, offering unmatched ease and reliability for professionals.

WHY CHOOSE EXPLORER?

Explorer is specifically designed for use with GE Active Shim Magnets. It combines six 20A power supplies, heater power supplies, and a user-friendly microprocessor-controlled interface. This innovative solution ensures precise and automated current injection, reducing manual errors and operational inefficiencies.

EXPLORER



**Experience the
Difference**

The Explorer's 10-inch graphical touch screen and intuitive interface set it apart, offering a user-centric experience that streamlines shimming operations while ensuring accuracy and reliability.

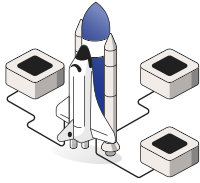


**The Explorer: Revolutionizing Shim Operations
for GE Superconductive Magnets**

The Explorer has transformed shim operations for GE superconductive magnets. Its programmable architecture, combined with its ability to significantly reduce shimming times and operational costs, delivers unmatched efficiency. By being fully automated, it eliminates potential errors during application, ensuring precise and reliable performance. These features not only enhance customer satisfaction but also provide users with minimized downtime and cost savings.

Key Features

1



Effortless Current Configuration

The intuitive touch screen interface allows users to enter up to 18 current values (T1, T2, and Ax) via a numeric keypad. Once confirmed, the system automatically injects these currents into superconductive coil sets.

2



Integrated 20A Shim and Heater Power Supplies

Equipped with ECHO-designed 20A shim and heater power supplies, combined with a microprocessor (uP) controller and a 10-inch touch screen interface.

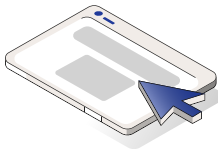
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Enhanced Safety and Durability

Features a shock-proof case and heavy-duty wheels, ensuring a lifetime of reliable operation.

4



Automated Precision

Automated shimming mode minimizes human error and reduces time by eliminating manual adjustments.

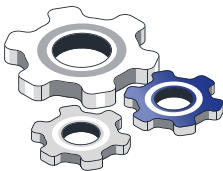
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Future-Ready Architecture

Programmable design supports seamless upgrades with new software releases.

6



OEM-Compliant Power Supplies

Six 20A power supplies meet exact specifications required by original equipment manufacturers (OEMs).

7



Remote Accessibility

Built-in VNC remote connection enables remote shimming, diagnostics, and training.

Kit Includes

- Main Unit
- Shim Cable
- Test plug
- Power Cable
- Transportation Box

Specification List

| | | |
|-----------------------------|----------------|---|
| ● Input Voltage / freq | - | 200-240VAC (50/60Hz) |
| ● No of Phase | - | 3 Phase + 1 Protective Ground |
| ● Input current | A | 10A max |
| ● Power factor | - | 0.88 Passive |
| ● Input protection | - | Circuit Braker |
| ● Phase Imbalance | % | <%5 on Three Phase Input |
| ● Output noise p-p c.v | mV | 60 |
| ● Ripple r.m.s. c.v | mV | 20 |
| ● Max Ripple | mA | %0.01 |
| ● Max Cureent Out Shim PS | A | 20 |
| ● Number of channels | - | 6 |
| ● Max Current Out Heater PS | mA | 1A |
| ● Cooling | | Fan driven, air from Front to Rear |
| ● Weight | Kg | 152 |
| ● Dimensions | W x D x H (mm) | 580 x 1000 x 910 |
| ● Construction | | Mounted in a flight case with 4 wheels underneath |
| ● Front Panel | | 10" Touch Screen |
| ● Rear Panel | | Line in, Current out, Heater out, Circuit Braker |